ABSTRACT

Conventionally, in a display device using lasers, a blue light source having a relatively long wavelength and a red light source having a relatively short wavelength are adopted because a short-wavelength blue light source and a long-wavelength red light source cause degradation in visibility. Therefore, there are problems that an expressible color region is restricted, and large output power is required for white display.

Accordingly, in a two-dimensional image display device of the present invention, the center wavelength of a red color source is set in a range from 635nm to 655nm and the center wavelength of a blue light source is set in a range from 420nm to 455nm, thereby obtaining a bright and clear image at minimum power consumption.